

# KONRAD RAYNES & VICTOR, LLP

315 S. Beverly Drive, Suite 210  
Beverly Hills, California 90212

Telephone: (310) 556-7983  
Facsimile: (310) 556-7984

BEST AVAILABLE COPY

## FAX COVER SHEET

RECEIVED  
CENTRAL FAX CENTER

FEB 18 2005

## PLEASE DELIVER THIS FACSIMILE TO EXAMINER A.Q. CHOUDHURY

TO: Commissioner for Patents  
Attn: Examiner A.Q. Choudhury  
Group Art Unit 2145  
Patent Examining Corps  
Facsimile Center  
Washington, D.C. 20231

FROM: David W. Victor  
  
OUR REF: 0037.0096  
TELEPHONE: 310-556-7983

Total pages, including cover letter: 26

PTO FAX NUMBER 1-703-872-9306

If you do NOT receive all of the pages, please telephone us at 310/556-7983, or fax us at 310/556-7984.

Description of Documents Transmitted: POWER OF ATTORNEY AND  
CORRESPONDENCE ADDRESS INDICATION FORM; COPY OF NOTICE OF  
RECORDATION OF ASSIGNMENT

Applicant:	<u>P.L. Bradshaw et al.</u>
Serial No.:	<u>09/972,207</u>
Filed:	<u>October 5, 2001</u>
Group Art Unit:	<u>2145</u>
Docket No.:	<u>SJO920010097US1</u>

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on February 18, 2005

By: \_\_\_\_\_  
Name: David W. Victor

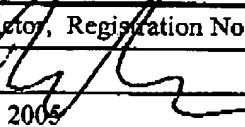
PTO/SB/21  
0037.0096

<b>TRANSMITTAL FORM</b>	Application Number	09/972,207
<i>(To be used for all correspondence after initial filing)</i>	Filing Date	October 5, 2001
	Inventor	P.L. Bradshaw et al.
	Group Art Unit	2145
	Examiner Name	A.Q. Choudhury
	Total Number of Pages in this Submission: 25	Attorney Docket Number

**ENCLOSURES (check all that apply)**

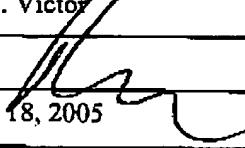
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits /Declarations <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement; ___ references <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Formal Drawings: ___ sheets <input type="checkbox"/> Licensing-related papers <input type="checkbox"/> Petition:  <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation, and/or Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ___ <input type="checkbox"/> After Allowance Communication to Group	<input type="checkbox"/> Certificate of Correction of Applicant's Mistake (37 CFR 1.323) <input type="checkbox"/> Certificate of Correction of Office Mistake (37 CFR 1.322) <input type="checkbox"/> Appeal Communication to Group ( <i>Appeal Notice, Brief, Reply Brief</i> ) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Fee Address Indication Form <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below)</i> Notice of Recordation of Assignment
--	---	---

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual Name:	David W. Victor, Registration No. 39,867
Signature:	
Date:	February 18, 2005
KONRAD RAYNES & VICTOR, LLP 315 South Beverly Drive, Suite 210 Beverly Hills, California 90212 (310) 556-7983	<input checked="" type="checkbox"/> The Commissioner is authorized to charge any deficiency of fees, or credit any overpayment, to Deposit Account No. 09-0466

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to Commissioner for Patents, Alexandria, VA 22313-1450, or being facsimile transmitted to the USPTO, on the date indicated below.

Typed or Printed name:	David W. Victor	Customer No. 46917
Signature:		
Date:	February 18, 2005	

RECEIVED  
CENTRAL FAX CENTER

FEB 18 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): P.L. Bradshaw et al. Examiner: 2145  
Serial No. 09/972,207 Group Art Unit: A.Q. Choudhury  
Filed October 5, 2001 Docket No.: SJO920010097US1  
TITLE STORAGE AREA NETWORK METHODS AND APPARATUS WITH  
HIERARCHICAL FILE SYSTEM EXTENSION POLICY

POWER OF ATTORNEY AND  
CORRESPONDENCE ADDRESS INDICATION FORM

I hereby revoke all previous powers of attorney given in the above-identified application.  
I hereby appoint the Practitioners associated with the Customer Number:

46917

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

I am the:

Applicant/Inventor

Assignee of record of the entire interest. (Statement under 37 CFR 3.73(b) is enclosed)

SIGNATURE of Applicant or Assignee of Record

Signature:	Date: 2-18-05
Name: Lynne D. Anderson	Title: Program Manager - U.S. Patent and Trademark Office Liaison
Company: International Business Machines Corporation	
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.	
<input type="checkbox"/> *Total of _____ forms are submitted.	

RECEIVED  
P-03/04

CENTRAL FAX CENTER

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: International Business Machines Corporation

FEB 18 2005

Application No./Patent No.: 09/972,207

File/Issue Date: October 5, 2001

Entitled: STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM EXTENSION POLICY

International Business Machines Corporation  
(Name of Assignee)

Corporation  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012726, Frame 0112, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO.]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature:	<u>Lynne D. Anderson</u>	Date:	2-18-05
Name	Lynne D. Anderson	Telephone Number	703-299-1455
Title	Program Manager - U.S. Patent and Trademark Office Liaison		

LETTER OF AUTHORITY

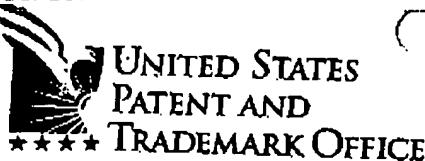
I, Gerald Rosenthal, Vice President, Intellectual Property and Licensing of International Business Machines Corporation (IBM), a New York corporation, do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright Offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney; authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations; and evidence of such assignments; requests for the registration of patents as available for licensing; reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to Lynne D. Anderson, Program Manager, Patent Office Liaison.

Date: April 6, 2004



Gerald Rosenthal  
Vice President, Intellectual Property & Licensing  
International Business Machines Corporation

\*\* TOTAL PAGE 04 \*\*



MAY 23, 2002

NUTTER, MCCLENNEN & FISH  
DAVID J. POWSNER  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2699

PTAS

Chief Information Officer  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)



\*102039425A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/15/2002

REEL/FRAME: 012726/0112  
NUMBER OF PAGES: 18

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNEE:

BRADSHAW, PAUL LAWRENCE

DOC DATE: 12/24/2001

## ASSIGNEE:

DELAIRE, BRIAN AUGUSTINE

DOC DATE: 02/21/2002

## ASSIGNEE:

DOUGLAS, DANIEL GRAHAM

DOC DATE: 12/13/2001

## ASSIGNEE:

DUNHAM, DOUGLAS PAUL

DOC DATE: 12/12/2001

## ASSIGNEE:

DUNTON, TINA LYNN

DOC DATE: 01/07/2002

## ASSIGNEE:

GROVES, DAVID WILSON

DOC DATE: 01/02/2002

## ASSIGNEE:

HOANG, VINCENT JOMARTIN

DOC DATE: 12/11/2001

012726/0112 PAGE 2

ASSIGNOR:  
HOBBS, NANCY LOTT

DOC DATE: 12/12/2001

ASSIGNOR:  
HSU, HIS TAI (STEVE)

DOC DATE: 02/23/2002

ASSIGNOR:  
LORBER, LOUIS LEO

DOC DATE: 12/12/2001

ASSIGNOR:  
NGUYEN, NGOC V.

DOC DATE: 12/14/2001

ASSIGNOR:  
TEVIS, GREGORY JOHN

DOC DATE: 02/26/2002

ASSIGNOR:  
YIP, OPHELIA K.

DOC DATE: 02/27/2002

ASSIGNEE:  
INTERNATIONAL BUSINESS MACHINES  
CORPORATION  
NEW ORCHARD ROAD  
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09972207

FILING DATE: 10/05/2001

PATENT NUMBER:

ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

OFFICE OF PUBLIC RECORDS  
FORM PTO-1075A  
Expires 08/30/99  
OMB 0651-0027

202 MAR 15 AM (U) P2

FINANCE SECTION

04-02-2002

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

3/15/02

RECORDATION FORM 102039425  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

- New  
 Resubmission (Non-Recordation)  
 Document ID#   
 Correction of PTO Error  
 Reel #  Frame #   
 Corrective Document  
 Reel #  Frame #

## Conveyance Type

- Assignment  Security Agreement  
 License  Change of Name  
 Merger  Other  
**U.S. Government**  
 (For Use ONLY by U.S. Government Agencies)  
 Departmental File  Secret File

## Conveying Party(ies)

Name (line 1) Paul Lawrence Bradshaw

Mark if additional names of conveying parties attached Execution Date  
 Month Day Year

12242001

Name (line 2)

## Second Party

Name (line 1) Brian Augustine Delaire

Execution Date  
 Month Day Year

02212002

Name (line 2)

## Receiving Party

Name (line 1) International Business Machines Corporation

Mark if additional names of receiving parties attached

Name (line 2)

Address (line 1) New Orchard Road

If document to be recorded  
 is an assignment and the  
 receiving party is not  
 domiciled in the United  
 States, an appointment  
 of a domestic  
 representative is attached.  
 (Designation must be a  
 separate document from  
 Assignment.)

Address (line 2)

Address (line 3) Armonk

City

New York

State/Country

10504

Zip Code

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

## FOR OFFICE USE ONLY

46.00 07

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20585. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
 Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

FORM PTO-1619B  
Expires 08/30/99  
OMB 0651-0027

Page 2

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Correspondent Name and Address****Area Code and Telephone Number**

617-439-2717

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) **Pages**Enter the total number of pages of the attached conveyance document  
including any attachments.# **Application Number(s) or Patent Number(s)**

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)** Mark if additional numbers attached**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month  Day  Year **Patent Cooperation Treaty (PCT)**Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.PCT PCT PCT PCT PCT **Number of Properties**Enter the total number of properties involved. # **Fee Amount**Fee Amount for Properties Listed (37 CFR 3.41): \$ Method of Payment:  
Deposit AccountEnclosed  Deposit Account 

(Enter for payment by deposit account or if additional fees can be charged to the account.)

# 

Deposit Account Number:

Authorization to charge additional fees: Yes  No **Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

David J. Powsner

Name of Person Signing

Signature

3/8/02

Date

FORM PTO-1619C  
Expires 06/30/99  
OMB 0651-0027

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

Enter additional Conveying Parties

Mark if additional names of conveying parties attached

Name (line 1) Daniel Graham Douglas

Execution Date  
Month Day Year  
12132001

Name (line 2)

Name (line 1) Douglas Paul Dunham

Execution Date  
Month Day Year  
12122001

Name (line 2)

Name (line 1) Tina Lynn Dunton

Execution Date  
Month Day Year  
01072002

Name (line 2)

**Receiving Party(ies)**

Enter additional Receiving Party(ies)

Mark if additional names of receiving parties attached

Name (line 1)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of domestic representative  
is attached. (Designation  
must be a separate  
document from  
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment of  
a domestic representative  
is attached. (Designation  
must be a separate document from  
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

**Application Number(s) or Patent Number(s)**

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Mark if additional numbers attached

**Patent Application Number(s)**


**Patent Number(s)**


FORM PTO-1619C <small>Expires 08/30/99 OMB 0651-0027</small>	<b>RECORDATION FORM COVER SHEET</b> <b>CONTINUATION</b> <b>PATENTS ONLY</b>		<small>U.S. Department of Commerce Patent and Trademark Office <b>PATENT</b></small>
<b>Conveying Party(ies)</b> <i>Enter additional Conveying Parties</i>			<input checked="" type="checkbox"/> <small>Mark if additional names of conveying parties attached</small>
Name (line 1)	David Wilson Groves		<small>Execution Date</small> <small>Month Day Year</small> <b>01022002</b>
Name (line 2)			
Name (line 1)	Vincent Jomartin Hoang		<small>Execution Date</small> <small>Month Day Year</small> <b>12112001</b>
Name (line 2)			
Name (line 1)	Nancy Lott Hobbs		<small>Execution Date</small> <small>Month Day Year</small> <b>12122001</b>
Name (line 2)			
<b>Receiving Party(ies)</b> <i>Enter additional Receiving Party(ies)</i>			<input type="checkbox"/> <small>Mark if additional names of receiving parties attached</small>
Name (line 1)			<input type="checkbox"/> <small>If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)</small>
Name (line 2)			
Address (line 1)			
Address (line 2)			
Address (line 3)	City	State/Country	Zip Code
Name (line 1)			<input type="checkbox"/> <small>If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)</small>
Name (line 2)			
Address (line 1)			
Address (line 2)			
Address (line 3)	City	State/Country	Zip Code
<b>Application Number(s) or Patent Number(s)</b> <i>Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).</i>			<input type="checkbox"/> <small>Mark if additional numbers attached</small>
<b>Patent Application Number(s)</b>		<b>Patent Number(s)</b>	

<b>FORM PTO-1619C</b> <small>Expires 08/08/09 GPO 0831-0027</small>	<b>RECORDATION FORM COVER SHEET</b> <b>CONTINUATION</b> <b>PATENTS ONLY</b>	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b> <b>PATENT</b>
<b>Conveying Party(ies)</b>		
<i>Enter additional Conveying Parties</i>		
Name (line 1) <input type="text" value="His Tai (Steve) Hsu"/>		<input checked="" type="checkbox"/> <b>Mark if additional names of conveying parties attached</b>
Name (line 2) <input type="text"/>		<b>Execution Date</b> Month Day Year <b>02232002</b>
Name (line 1) <input type="text" value="Louis Leo Lorber"/>		<b>Execution Date</b> Month Day Year <b>12122001</b>
Name (line 2) <input type="text"/>		
Name (line 1) <input type="text" value="Ngoc V. Nguyen"/>		<b>Execution Date</b> Month Day Year <b>12142001</b>
Name (line 2) <input type="text"/>		
<b>Receiving Party(ies)</b>		
<i>Enter additional Receiving Party(ies)</i>		
Name (line 1) <input type="text"/>		<input type="checkbox"/> <b>Mark if additional names of receiving parties attached</b>
Name (line 2) <input type="text"/>		<input type="checkbox"/> <b>If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)</b>
Address (line 1) <input type="text"/>		
Address (line 2) <input type="text"/>		
Address (line 3) <input type="text"/>		<b>City</b> <input type="text"/> <b>State/Country</b> <input type="text"/> <b>Zip Code</b> <input type="text"/>
Name (line 1) <input type="text"/>		<input type="checkbox"/> <b>If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)</b>
Name (line 2) <input type="text"/>		
Address (line 1) <input type="text"/>		
Address (line 2) <input type="text"/>		
Address (line 3) <input type="text"/>		<b>City</b> <input type="text"/> <b>State/Country</b> <input type="text"/> <b>Zip Code</b> <input type="text"/>
<b>Application Number(s) or Patent Number(s)</b>		
<i>Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).</i>		
<b>Patent Application Number(s)</b>		<input type="checkbox"/> <b>Mark if additional numbers attached</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Patent Number(s)</b>		
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

FORM PTO-1619C  
Expires 08/30/99  
OMB 0651-0027

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

*Enter additional Conveying Parties*

*Mark if additional names of conveying parties attached*

Name (line 1) **Gregory John Tevis**

Execution Date  
Month Day Year  
**02262002**

Name (line 2)

Name (line 1) **Ophelia K. Yip**

Execution Date  
Month Day Year  
**02272002**

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

**Receiving Party(ies)**

*Enter additional Receiving Party(ies)*

*Mark if additional names of receiving parties attached*

Name (line 1)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic representative  
is attached. (Designation  
must be a separate  
document from  
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment of a  
domestic representative is  
attached. (Designation must  
be a separate document from  
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

**Application Number(s) or Patent Number(s)**

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).*

*Mark if additional numbers attached*

**Patent Application Number(s)**


**Patent Number(s)**


U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

## ASSIGNMENT

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz, County of Santa Cruz and State of California,  
 and (2) Brian Augustine Delairc of 38448 Crosspointe Cmn., Fremont, County of Alameda and State of California,  
 and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose, County of Santa Clara and State of California,  
 and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose, County of Santa Clara and State of California,  
 and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose, County of Santa Clara and State of California,  
 and (6) David Wilson Groves of 1118 Settle Avenue, San Jose, County of Santa Clara and State of California,  
 and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose, County of Santa Clara and State of California,  
 and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale, County of Santa Clara and State of California,  
 and (9) His Tai (Steve) Hsu of ., County of and State of,  
 and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara, County of Santa Clara and State of California,  
 and (11) Ngoc V. Nguyen of ., County of and State of,  
 and (12) Gregory John Tevis of 2811 West Puccini Place, Tuscon, County of Pima and State of Arizona,  
 and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco, County of San Francisco and State of California,

have invented certain improvements in

**STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM  
EXTENSION POLICY**

and executed, respectively, a United States patent application therefor on

(1) 12/24, 2001, (2) \_\_\_\_\_, 2001, (3) \_\_\_\_\_, 2001, (4) \_\_\_\_\_, 2001,  
 (5) \_\_\_\_\_, 2001, (6) \_\_\_\_\_, 2001, (7) \_\_\_\_\_, 2001, (8) \_\_\_\_\_, 2001,  
 (9) \_\_\_\_\_, 2001, (10) \_\_\_\_\_, 2001, (11) \_\_\_\_\_, 2001, (12) \_\_\_\_\_, 2001,  
 (13) \_\_\_\_\_, 2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor,

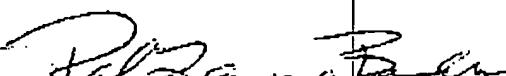
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

Signed and sealed

- (1) at 7:51 PM  
on 12/27/01, 2001,  
(2) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(3) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(4) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(5) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(6) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(7) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(8) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(9) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(10) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(11) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(12) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(13) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,

	Signature Inventor
Brian Augustine Delaire	Signature Inventor
Daniel Graham Douglas	Signature Inventor
Douglas Paul Dunham	Signature Inventor
Tina Lynn Dunton	Signature Inventor
David Wilson Groves	Signature Inventor
Vincent Jomartin Hoang	Signature Inventor
Nancy Lott Hobbs	Signature Inventor
His Tai (Steve) Hsu	Signature Inventor
Louis Leo Lorber	Signature Inventor
Ngoc V. Nguyen	Signature Inventor
Gregory John Tewis	Signature Inventor
Ophelia K. Yip	Signature Inventor

U.S. EXPRESS MAIL LABEL NO.: EL 835 82\$ 671 US

DOCKET: SJ09-2001-0097

## ASSIGNMENT

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz, County of Santa Cruz and State of California,  
 and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont, County of Alameda and State of California,  
 and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose, County of Santa Clara and State of California,  
 and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose, County of Santa Clara and State of California,  
 and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose, County of Santa Clara and State of California,  
 and (6) David Wilson Groves of 1118 Settle Avenue, San Jose, County of Santa Clara and State of California,  
 and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose, County of Santa Clara and State of California,  
 and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale, County of Santa Clara and State of California,  
 and (9) His Tai (Steve) Hsu of ., County of . and State of .,  
 and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara, County of Santa Clara and State of California,  
 and (11) Ngoc V. Nguyen of ., County of . and State of .,  
 and (12) Gregory John Tewis of 2811 West Puccini Place, Tuscon, County of Pima and State of Arizona,  
 and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco, County of San Francisco and State of California,

have invented certain improvements in

**STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM  
EXTENSION POLICY**

and executed, respectively, a United States patent application therefor on

(1)	<u>                  </u> , 2001, (2)	<u>12/21/02</u> , 2001, (3)	<u>                  </u> , 2001, (4)	<u>12/12</u> , 2001,
(5)	<u>01/07/02</u> , 2001, (6)	<u>1/2</u> , 2001, (7)	<u>12/11</u> , 2001, (8)	<u>12/12</u> , 2001,
(9)	<u>                  </u> , 2001, (10)	<u>12/12</u> , 2001, (11)	<u>                  </u> , 2001, (12)	<u>                  </u> , 2001,
(13)	<u>02/27/02</u> , 2001			

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

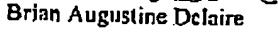
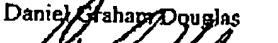
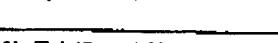
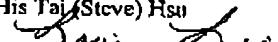
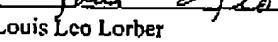
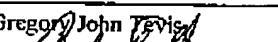
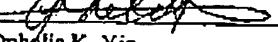
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

Signed and sealed

- (1) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(2) at San Jose  
on 2/21/02, 2001,  
(3) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(4) at San Jose  
on 12/21/01, 2001,  
(5) at San Jose  
on 1-7-2002, 2001,  
(6) at San Jose  
on 1/2, 2001,  
(7) at San Jose  
on 12/11, 2001,  
(8) at San Jose  
on 12/12, 2001,  
(9) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(10) at San Jose  
on 12/12, 2001,  
(11) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(12) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(13) at San Jose  
on 2/27/02, 2001,

Paul Lawrence Bradshaw 	Signature Inventor
Brian Augustine DeClaire 	Signature Inventor
Daniel Graham Douglas 	Signature Inventor
Douglas Paul Dunham 	Signature Inventor
Tina Lynn Dunton 	Signature Inventor
David Wilson Groves 	Signature Inventor
Vincent Jomartin Hoang 	Signature Inventor
Nancy Lott Hobbs 	Signature Inventor
His Tai (Steve) Hsu 	Signature Inventor
Louis Leo Lorber 	Signature Inventor
Ngoc V. Nguyen 	Signature Inventor
Gregory John Revis 	Signature Inventor
Ophelia K. Yip 	Signature Inventor

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

## ASSIGNMENT

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz, County of Santa Cruz and State of California,  
 and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont, County of Alameda and State of California,  
 and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose, County of Santa Clara and State of California,  
 and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose, County of Santa Clara and State of California,  
 and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose, County of Santa Clara and State of California,  
 and (6) David Wilson Groves of 1118 Settle Avenue, San Jose, County of Santa Clara and State of California,  
 and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose, County of Santa Clara and State of California,  
 and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale, County of Santa Clara and State of California,  
 and (9) His Tai (Steve) Hsu of , , County of and State of ,  
 and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara, County of Santa Clara and State of California,  
 and (11) Ngoc V. Nguyen of , , County of and State of .  
 and (12) Gregory John Tevis of 2811 West Puccini Place, Tucson, County of Pima and State of Arizona,  
 and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco, County of San Francisco and State of California,

have invented certain improvements in

STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM  
EXTENSION POLICY

and executed, respectively, a United States patent application therefor on

(1) \_\_\_\_\_, 2001, (2) \_\_\_\_\_, 2001, (3) 12/13, 2001, (4) \_\_\_\_\_, 2001,  
 (5) \_\_\_\_\_, 2001, (6) \_\_\_\_\_, 2001, (7) \_\_\_\_\_, 2001, (8) \_\_\_\_\_, 2001,  
 (9) \_\_\_\_\_, 2001, (10) \_\_\_\_\_, 2001, (11) \_\_\_\_\_, 2001, (12) \_\_\_\_\_, 2001,  
 (13) \_\_\_\_\_, 2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

Signed and sealed

(1) at _____ on _____, 2001,	Paul Lawrence Bradshaw	Signature Inventor
(2) at _____ on _____, 2001,	Brian Augustine Dellaire <i>C. D. A. D.</i>	Signature Inventor
(3) at <i>Los Gatos, CA</i> on <i>Dec 13</i> , 2001,	Daniel Graham Douglas	Signature Inventor
(4) at _____ on _____, 2001,	Douglas Paul Dunham	Signature Inventor
(5) at _____ on _____, 2001,	Tina Lynn Dunton	Signature Inventor
(6) at _____ on _____, 2001,	David Wilson Groves	Signature Inventor
(7) at _____ on _____, 2001,	Vincent Jomartin Hoang	Signature Inventor
(8) at _____ on _____, 2001,	Nancy Lott Hobbs	Signature Inventor
(9) at _____ on _____, 2001,	His Tai (Steve) Hsu	Signature Inventor
(10) at _____ on _____, 2001,	Louis Leo Lorber	Signature Inventor
(11) at _____ on _____, 2001,	Ngoc V. Nguyen	Signature Inventor
(12) at _____ on _____, 2001,	Gregory John Tevis	Signature Inventor
(13) at _____ on _____, 2001,	Ophelia K. Yip	Signature Inventor

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

## ASSIGNMENT

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz, County of Santa Cruz and State of California,  
 and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont, County of Alameda and State of California,  
 and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose, County of Santa Clara and State of California,  
 and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose, County of Santa Clara and State of California,  
 and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose, County of Santa Clara and State of California,  
 and (6) David Wilson Groves of 1118 Settle Avenue, San Jose, County of Santa Clara and State of California,  
 and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose, County of Santa Clara and State of California,  
 and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale, County of Santa Clara and State of California,  
 and (9) His Tai (Steve) Hsu of, 50 Ondina Drive, Fremont, County of and State of, Alameda, State of California  
 and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara, County of Santa Clara and State of California,  
 and (11) Ngoc V. Nguyen of, , County of and State of,  
 and (12) Gregory John Tcvis of 2811 West Puccini Place, Tucson, County of Pima and State of Arizona,  
 and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco, County of San Francisco and State of California,

have invented certain improvements in

**STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM  
EXTENSION POLICY**

and executed, respectively, a United States patent application therefor on

(1) \_\_\_\_\_, 2001, (2) \_\_\_\_\_, 2001, (3) \_\_\_\_\_, 2001, (4) \_\_\_\_\_, 2001,  
 (5) \_\_\_\_\_, 2001, (6) \_\_\_\_\_, 2001, (7) \_\_\_\_\_, 2001, (8) \_\_\_\_\_, 2001,  
 (9) 02/23/02, 2001, (10) \_\_\_\_\_, 2001, (11) \_\_\_\_\_, 2001, (12) \_\_\_\_\_, 2001,  
 (13) \_\_\_\_\_, 2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EI. 835 825 671 US

DOCKET: SJ09-2001-0097

Signed and sealed

(1) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (2) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (3) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (4) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (5) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (6) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (7) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (8) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (9) at Fremont  
 on 2/23/02, 2001,  
 (10) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (11) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (12) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (13) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,

Paul Lawrence Bradshaw	Signature Inventor
Brian Augustine Delaire	Signature Inventor
Daniel Graham Douglas	Signature Inventor
Douglas Paul Dunham	Signature Inventor
Tina Lynn Dunton	Signature Inventor
David Wilson Groves	Signature Inventor
Vincent Jomartin Hoang	Signature Inventor
Nancy Lott Hobbs <i>His Tai Hsu</i>	Signature Inventor
His Tai (Steve) Hsu	Signature Inventor
Louis Leo Lorber	Signature Inventor
Ngoc V. Nguyen	Signature Inventor
Gregory John Tevis	Signature Inventor
Ophelia K. Yip	Signature Inventor

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

## ASSIGNMENT

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz,  
 County of Santa Cruz and State of California,  
 and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont,  
 County of Alameda and State of California,  
 and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose,  
 County of Santa Clara and State of California,  
 and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose,  
 County of Santa Clara and State of California,  
 and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose,  
 County of Santa Clara and State of California,  
 and (6) David Wilson Groves of 1118 Steele Avenue, San Jose,  
 County of Santa Clara and State of California,  
 and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose,  
 County of Santa Clara and State of California,  
 and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale,  
 County of Santa Clara and State of California,  
 and (9) His Tai (Steve) Hsu of ,  
 County of and State of ,  
 and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara,  
 County of Santa Clara and State of California,  
 and (11) Ngoc V. Nguyen of ,  
 County of and State of ,  
 and (12) Gregory John Tevis of 2811 West Puccini Place, Tucson,  
 County of Pima and State of Arizona,  
 and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco,  
 County of San Francisco and State of California,

have invented certain improvements in

**STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM  
EXTENSION POLICY**

and executed, respectively, a United States patent application therefor on

(1) \_\_\_\_\_, 2001, (2) \_\_\_\_\_, 2001, (3) \_\_\_\_\_, 2001, (4) \_\_\_\_\_, 2001,  
 (5) \_\_\_\_\_, 2001, (6) \_\_\_\_\_, 2001, (7) \_\_\_\_\_, 2001, (8) \_\_\_\_\_, 2001,  
 (9) \_\_\_\_\_, 2001, (10) \_\_\_\_\_, 2001, (11) 12/14, 2001, (12) \_\_\_\_\_, 2001,  
 (13) \_\_\_\_\_, 2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

Signed and sealed

- (1) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(2) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(3) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(4) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(5) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(6) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(7) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(8) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(9) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(10) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(11) at San Jose  
on 12/14, 2001,  
(12) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,  
(13) at \_\_\_\_\_  
on \_\_\_\_\_, 2001,

Paul Lawrence Bradshaw	Signature
	Inventor
Brian Augustine Delaire	Signature
	Inventor
Daniel Graham Douglas	Signature
	Inventor
Douglas Paul Dunham	Signature
	Inventor
Tina Lynn Dunton	Signature
	Inventor
David Wilson Groves	Signature
	Inventor
Vincent Jomartin Hoang	Signature
	Inventor
Nancy Lott Hobbs	Signature
	Inventor
His Tai (Steve) Hsu	Signature
	Inventor
Louis Leo Lorber	Signature
<u>X N. Nguyen</u>	Inventor
Ngoc V. Nguyen	Signature
	Inventor
Gregory John Tevis	Signature
	Inventor
Ophelia K. Yip	Signature
	Inventor

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

## ASSIGNMENT

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz,  
 County of Santa Cruz and State of California,  
 and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont,  
 County of Alameda and State of California,  
 and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose,  
 County of Santa Clara and State of California,  
 and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose,  
 County of Santa Clara and State of California,  
 and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose,  
 County of Santa Clara and State of California,  
 and (6) David Wilson Groves of 1118 Settle Avenue, San Jose,  
 County of Santa Clara and State of California,  
 and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose,  
 County of Santa Clara and State of California,  
 and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale,  
 County of Santa Clara and State of California,  
 and (9) His Tai (Steve) Hsu of ,  
 County of and State of ,  
 and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara,  
 County of Santa Clara and State of California,  
 and (11) Ngoc V. Nguyen of ,  
 County of and State of ,  
 and (12) Gregory John Tevis of 2811 West Puccini Place, Tucson,  
 County of Pima and State of Arizona,  
 and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco,  
 County of San Francisco and State of California,

have invented certain improvements in

**STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM  
 EXTENSION POLICY**

and executed, respectively, a United States patent application therefor on

(1) \_\_\_\_\_, 2001, (2) \_\_\_\_\_, 2001, (3) \_\_\_\_\_, 2001, (4) \_\_\_\_\_, 2001,  
 (5) \_\_\_\_\_, 2001, (6) \_\_\_\_\_, 2001, (7) \_\_\_\_\_, 2001, (8) \_\_\_\_\_, 2001,  
 (9) \_\_\_\_\_, 2001, (10) \_\_\_\_\_, 2001, (11) \_\_\_\_\_, 2001, (12) 2,616, 2001,  
 (13) \_\_\_\_\_, 2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

Signed and sealed

(1) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (2) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (3) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (4) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (5) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (6) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (7) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (8) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (9) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (10) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (11) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,  
 (12) at Iveson  
 on 2026, 2001  
 (13) at \_\_\_\_\_  
 on \_\_\_\_\_, 2001,

Paul Lawrence Bradshaw	Signature
	Inventor
Brian Augustine Delaire	Signature
	Inventor
Daniel Graham Douglas	Signature
	Inventor
Douglas Paul Dunham	Signature
	Inventor
Tina Lynn Dunton	Signature
	Inventor
David Wilson Groves	Signature
	Inventor
Vincent Jomartin Hoang	Signature
	Inventor
Nancy Lott Hobbs	Signature
	Inventor
His Tai (Steve) Hsu	Signature
	Inventor
Louis Leo Lorber	Signature
	Inventor
Ngoc V. Nguyen	Signature
<u>Gregory John Tevis</u>	Inventor
	Signature
Gregory John Tevis	Inventor
	Signature
Ophelia K. Yip	Signature
	Inventor

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Bradshaw et al.

Examiner:

Serial No. 09/972,207

Art Unit:

Filing Date: October 5, 2001

for  
**STORAGE AREA NETWORK METHODS  
 AND APPARATUS WITH  
 HIERARCHICAL FILE SYSTEM  
 EXTENSION POLICY**

Attorney Docket: SJ09-2001-0097

CERTIFICATE OF MAILING

The undersigned certifies that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail addressed to the United States Patent and Trademark Office, Office of Public Records, Crystal Gateway 4, Room 335, Washington, DC 20231.

Date: 3/8/02

David J. Powsner, Reg. No. 31,868

UNITED STATES PATENT AND TRADEMARK OFFICE  
 OFFICE OF PUBLIC RECORDS  
 CRYSTAL GATEWAY 4  
 ROOM 335  
 WASHINGTON, DC 20231

TRANSMITTAL LETTER

Sir:

Please find enclosed:

- (1) *Six (6)* *One (1)* *form 3/8/02*  
 Assignment and Recordation Sheet;
- (2) Check in the amount of \$40.00 to cover recordation fees; and
- (3) Return postcard.

Please charge any additional fees that may be required to Deposit Account No. 141449.

Date: 3/8/02

Respectfully submitted,

David J. Powsner, Reg. No. 31,868

ATTORNEYS OF APPLICANTS  
 Nutter, McClellan & Fish LLP  
 One International Place  
 Boston, MA 02110-2699  
 Telephone: 617-439-2717  
 Telefax: 617-310-9717

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**